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RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/894,967A

TIME: 12:39:32

Input Set : A:\2307k_059110.app

Output Set: N:\CRF3\05012002\I894967A.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Kavanaugh, William M.

7 Williams, Lewis T.

9 (ii) TITLE OF INVENTION: Binding Sites for Phosphotyrosine

10 Binding Domains

12 (iii) NUMBER OF SEQUENCES: 74

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Townsend and Townsend and Crew LLP

16 (B) STREET: Two Embarcadero Center, 8th Floor

17 (C) CITY: San Francisco

18 (D) STATE: California

19 (E) COUNTRY: USA

20 (F) ZIP: 94111-3834

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/894,967A

C--> 30 (B) FILING DATE: 15-Apr-2002

31 (C) CLASSIFICATION:

33 (vii) PRIOR APPLICATION DATA:

34 (A) APPLICATION NUMBER: US 08/423,646

35 (B) FILING DATE: 14-APR-1995

37 (viii) ATTORNEY/AGENT INFORMATION:

38 (A) NAME: Serafini, Andrew T.

39 (B) REGISTRATION NUMBER: 41,303

40 (C) REFERENCE/DOCKET NUMBER: 2307K-059110

42 (ix) TELECOMMUNICATION INFORMATION:

43 (A) TELEPHONE: 415-326-2400

44 (B) TELEFAX: 415-326-2422

48 (2) INFORMATION FOR SEQ ID NO: 1:

50 (i) SEQUENCE CHARACTERISTICS:

51 (A) LENGTH: 5 amino acids

52 (B) TYPE: amino acid

53 (C) STRANDEDNESS: single

54 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: peptide

59 (ix) FEATURE:

60 (A) NAME/KEY: Region

61 (B) LOCATION: one-of(2)

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62 (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
64 (ix) FEATURE:
65 (A) NAME/KEY: Region
66 (B) LOCATION: one-of(3)
67 (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
68 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
69 Phe."
71 (ix) FEATURE:
72 (A) NAME/KEY: Region
73 (B) LOCATION: one-of(4)
74 (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
75 or analogs thereof."
77 (ix) FEATURE:
78 (A) NAME/KEY: Region
79 (B) LOCATION: one-of(5)
80 (D) OTHER INFORMATION: /note= "Xaa is Trp, Leu, Ser, Phe or Gln."
83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 85 Asn Xaa Xaa Xaa Xaa
86 1 5
89 (2) INFORMATION FOR SEQ ID NO: 2:
91 (i) SEQUENCE CHARACTERISTICS:
92 (A) LENGTH: 6 amino acids
93 (B) TYPE: amino acid
94 (C) STRANDEDNESS: single
95 (D) TOPOLOGY: linear
97 (ii) MOLECULE TYPE: peptide
100 (ix) FEATURE:
101 (A) NAME/KEY: Region
102 (B) LOCATION: one-of(1)
103 (D) OTHER INFORMATION: /note= "Xaa is Asp, Ser, Glu or Ala."
105 (ix) FEATURE:
106 (A) NAME/KEY: Region
107 (B) LOCATION: one-of(3)
108 (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
110 (ix) FEATURE:
111 (A) NAME/KEY: Region
112 (B) LOCATION: one-of(4)
113 (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
114 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
115 Phe."
117 (ix) FEATURE:
118 (A) NAME/KEY: Region
119 (B) LOCATION: one-of(5)
120 (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
121 or analogs thereof."
123 (ix) FEATURE:
124 (A) NAME/KEY: Region
125 (B) LOCATION: one-of(6)
126 (D) OTHER INFORMATION: /note= "Xaa is Trp, Leu, Ser, Phe or Gln."

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129      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 131      Xaa Asn Xaa Xaa Xaa Xaa
132      1          5
135 (2) INFORMATION FOR SEQ ID NO: 3:
137      (i) SEQUENCE CHARACTERISTICS:
138          (A) LENGTH: 6 amino acids
139          (B) TYPE: amino acid
140          (C) STRANDEDNESS: single
141          (D) TOPOLOGY: linear
143      (ii) MOLECULE TYPE: peptide
146      (ix) FEATURE:
147          (A) NAME/KEY: Region
148          (B) LOCATION: one-of(3)
149          (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
151      (ix) FEATURE:
152          (A) NAME/KEY: Region
153          (B) LOCATION: one-of(4)
154          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
155 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
156 Phe."
158      (ix) FEATURE:
159          (A) NAME/KEY: Region
160          (B) LOCATION: one-of(5)
161          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
162 or analogs thereof."
164      (ix) FEATURE:
165          (A) NAME/KEY: Region
166          (B) LOCATION: one-of(6)
167          (D) OTHER INFORMATION: /note= "Xaa is Trp or Phe."
170      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 172      Asp Asn Xaa Xaa Xaa Xaa
173      1          5
176 (2) INFORMATION FOR SEQ ID NO: 4:
178      (i) SEQUENCE CHARACTERISTICS:
179          (A) LENGTH: 6 amino acids
180          (B) TYPE: amino acid
181          (C) STRANDEDNESS: single
182          (D) TOPOLOGY: linear
184      (ii) MOLECULE TYPE: peptide
187      (ix) FEATURE:
188          (A) NAME/KEY: Region
189          (B) LOCATION: one-of(3)
190          (D) OTHER INFORMATION: /note= "Xaa is Leu or Ala."
192      (ix) FEATURE:
193          (A) NAME/KEY: Region
194          (B) LOCATION: one-of(4)
195          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
196 or analogs thereof, Glu, Thr, Asp, Gln, Ala or
197 Phe."

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199      (ix) FEATURE:
200          (A) NAME/KEY: Region
201          (B) LOCATION: one-of(5)
202          (D) OTHER INFORMATION: /note= "Xaa is Tyr, phosphotyrosine
203 or analogs thereof."
205      (ix) FEATURE:
206          (A) NAME/KEY: Region
207          (B) LOCATION: one-of(6)
208          (D) OTHER INFORMATION: /note= "Xaa is Trp or Phe."
211      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 213      Glu Asn Xaa Xaa Xaa Xaa
214          1          5
217      (2) INFORMATION FOR SEQ ID NO: 5:
219          (i) SEQUENCE CHARACTERISTICS:
220              (A) LENGTH: 12 amino acids
221              (B) TYPE: amino acid
222              (C) STRANDEDNESS: single
223              (D) TOPOLOGY: linear
225          (ii) MOLECULE TYPE: peptide
228          (ix) FEATURE:
229              (A) NAME/KEY: Region
230              (B) LOCATION: one-of(7)
231              (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
234      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 236      Ala Phe Asp Asn Leu Tyr Xaa Trp Asp Gln Asn Ser
237          1          5          10
240      (2) INFORMATION FOR SEQ ID NO: 6:
242          (i) SEQUENCE CHARACTERISTICS:
243              (A) LENGTH: 12 amino acids
244              (B) TYPE: amino acid
245              (C) STRANDEDNESS: single
246              (D) TOPOLOGY: linear
248          (ii) MOLECULE TYPE: peptide
251          (ix) FEATURE:
252              (A) NAME/KEY: Region
253              (B) LOCATION: one-of(6)
254              (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
257      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 259      Ala Phe Asp Asn Leu Xaa Tyr Trp Asp Gln Asn Ser
260          1          5          10
263      (2) INFORMATION FOR SEQ ID NO: 7:
265          (i) SEQUENCE CHARACTERISTICS:
266              (A) LENGTH: 12 amino acids
267              (B) TYPE: amino acid
268              (C) STRANDEDNESS: single
269              (D) TOPOLOGY: linear
271          (ii) MOLECULE TYPE: peptide
274          (ix) FEATURE:
275              (A) NAME/KEY: Region

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276      (B) LOCATION: one-of(6,7)
277      (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
280      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
W--> 282      Ala Phe Asp Asn Leu Xaa Xaa Trp Asp Gln Asn Ser
283          1              5              10
286      (2) INFORMATION FOR SEQ ID NO: 8:
288          (i) SEQUENCE CHARACTERISTICS:
289              (A) LENGTH: 21 amino acids
290              (B) TYPE: amino acid
291              (C) STRANDEDNESS: single
292              (D) TOPOLOGY: linear
294          (ii) MOLECULE TYPE: peptide
297          (ix) FEATURE:
298              (A) NAME/KEY: Region
299              (B) LOCATION: one-of(12)
300              (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
303      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
W--> 305      Pro Ala Phe Ser Pro Ala Phe Asp Asn Leu Tyr Xaa Trp Asp Gln Asn
306          1              5              10              15
308      Ser Ser Glu Gln Gly
309          20
312      (2) INFORMATION FOR SEQ ID NO: 9:
314          (i) SEQUENCE CHARACTERISTICS:
315              (A) LENGTH: 21 amino acids
316              (B) TYPE: amino acid
317              (C) STRANDEDNESS: single
318              (D) TOPOLOGY: linear
320          (ii) MOLECULE TYPE: peptide
323          (ix) FEATURE:
324              (A) NAME/KEY: Region
325              (B) LOCATION: one-of(11)
326              (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
329      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
W--> 331      Pro Ala Phe Ser Pro Ala Phe Asp Asn Leu Xaa Tyr Trp Asp Gln Asn
332          1              5              10              15
334      Ser Ser Glu Gln Gly
335          20
338      (2) INFORMATION FOR SEQ ID NO: 10:
340          (i) SEQUENCE CHARACTERISTICS:
341              (A) LENGTH: 21 amino acids
342              (B) TYPE: amino acid
343              (C) STRANDEDNESS: single
344              (D) TOPOLOGY: linear
346          (ii) MOLECULE TYPE: peptide
349          (ix) FEATURE:
350              (A) NAME/KEY: Region
351              (B) LOCATION: one-of(11,12)
352              (D) OTHER INFORMATION: /note= "Xaa is phosphotyrosine."
355      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

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